her	ISBN - <b>04</b>	950195°	18	Publisher - Th	omson Learning	ı
Provided by the Publisher	Human Ho	Human Heredity				
the P	Type - P1 Author - Cummings					
ed by	Copyright	- 2006	Edition - 7t	h	Readability -	9.4 Flesch-Kincaid
ovide	Course - I	Human Here	edity		Grade(s) -	9,10,11,12
ፈ	Teacher E	dition ISBN	if applicable			0534494773
Overall Recommendation:    Recommended as Basal						
	This is a well organized text that truly focuses on human genetics and heredity. It starts with a basic level of introduction and progresses into population genetics and Hardy-Weinberg. The exercises and labs included may not be considered pure inquiry however applications included do indeed require critical thinking skills and mastery of the content covered.					
CRITERIA This basal resource  A. Encompasses KY Content Standards & Grade Level Expectations  Strong Evidence Moderate Evidence						
	D	Text is de	esigned to be	used in an electiv	e course outside	Little or No Evidence the Program of Studies
<ul><li>Text is designed to be used in an elective course outside the Program of Studies</li><li>1) Includes the 7 Big Ideas of science to the following extent:</li></ul>						
	a) Str	ucture and <sup>-</sup>	Γransformati	on of Matter	☐ Stror	ng 🗌 Moderate 🔲 Little 🔀 N/A
	b) Mo	tion and Fo	rces		☐ Stror	ng 🗌 Moderate 🔲 Little 🔀 N/A
	c) The	e Earth and	the Universe	<b>)</b>	☐ Stror	ng 🗌 Moderate 🔲 Little 🔀 N/A
	d) Uni	ity and Dive	rsity		Stror     Stror	ng Moderate Little N/A
	e) Bio	logical Cha	nge		Stror     Stror	ng Moderate Little N/A
	f) Ene	ergy Transfo	ormation		☐ Stror	ng ☐ Moderate ☐ Little ☒ N/A
	g) Inte	erdependen	ce		☐ Stror	ng 🔲 Moderate 🔀 Little 🔲 N/A
	0\				00.	
		tandings fi	nt-specific e om the rela	nduring ted Program of S	_	ng

the	related Program of Studies standards.				
4) Cor triv	ntent addressed is current, relevant and non- ial	Strong			
5) Pro	vides opportunities for critical thinking/reasoning	Strong ☐ Moderate ☐ Little ☐ N/A			
• 5	<ul> <li>6) Strengths, Weaknesses, Comments:</li> <li>Specific strengths-which areas/concepts are covered exceptionally well?</li> <li>Specific weaknesses-which areas/concepts would likely require supplementing?</li> </ul>				
The text provides a thorough coverage of the genetics and heredity related material of the course. In so much as this is an elective course, complete and in depth coverage of the Big Ideas and specific Kentucky Program and Studies and Kentucky Core Content would not be expected but rather be complimentary to a biology course. Emphasis is placed on truly understanding the material as opposed to just memorizing specific content.					
B. Fund	ctionality & Suitability	Strong Evidence Moderate Evidence Little or No Evidence			
1) Sui	tability	Strong			
(	Should be suitable for use with a diverse population and ethnicity, gender, religion, social and/or geographic envany kind.				
2) Cor	ntent quality	Strong			
• (	Free from factual errors  Content is presented conceptually when possible—mor  Content included accurately represents the knowledge  Theories/scientific models contained represent a broad	base of the discipline			
	nnections to Literacy Note: may apply to either student or teacher editions	☐ Strong ☑ Moderate ☐ Little			
• ( • I • ( • ( • I • I	Employs a variety of reading levels and is grade/level a Contains pre, during, post reading activities Provides opportunities for summarizing, reviewing, and at multiple levels of difficulty for a variety of learning sty Student text provides opportunity to integrate reading a Uses vocabulary that is age and content appropriate Focuses on critical vocabulary vs. extensive lists Identifies key vocabulary through definitions in both text Engaging text- does the text facilitate learning?	reinforcing vocabulary skills and concepts les. nd writing t and glossary			

4) Connections to Technology					
<ul> <li>Integrates technology and reflects the impact of technological advances</li> <li>Uses technology in the collection and/or manipulation of authentic data</li> </ul>					
5) Support for Diverse Learners	☐ Strong ☐ Moderate ☐ Little				
<ul> <li>Provides support for ESL students</li> <li>Provides support for differentiation of instruction in diverse classification.</li> <li>Note: may apply only to teacher edition</li> </ul>	<ul> <li>Provides support for differentiation of instruction in diverse classrooms</li> </ul>				
<ul> <li>6) Strengths, Weaknesses, Comments:</li> <li>Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.</li> </ul>					
The text exhibits strength in factual content and the application thereof. It is quite suitable for the students in the design and format especially with the manner in which chapters are introduced with a question with that same question being revisited at the end of the chapter. No evidence was noted for support for ESL students. Critical vocabulary is noted in both the teacher and student additions. The content appeared to be free of errors.					
C. Supports Inquiry and Skill Development	Strong Evidence Moderate Evidence Little or No Evidence				
C. Supports Inquiry and Skill Development  1) Promotes Inquiry, research and Application of Learning	Moderate Evidence				
<ul> <li>Promotes Inquiry, research and Application of Learning</li> <li>Provides opportunities for inquiry and research that includes active topics, formulating authentic questions, gathering information, resinterviewing, and evaluating information, analyzing and synthesize findings and conclusions.</li> <li>Requires students to use higher-level cognitive skills (analysis, syon Provides activities and projects for students to deepen their known strengthen problem-solving and decision-making skills.</li> <li>Provides opportunities for application of learned concepts.</li> <li>Uses a variety of relevant charts, graphs, diagrams, time lines, are motivate students to engage in discussion, problem solving, and expending that invite students to prodevelop and extend ideas to support reasoning.</li> </ul>	Moderate Evidence Little or No Evidence  Strong Moderate Little vities such as self-selecting searching resources, observing, ing data and communicating vinthesis, evaluation, etc.) reledge and cultivate and and other illustrations to invite and other high-order thinking skills.				
<ul> <li>Promotes Inquiry, research and Application of Learning</li> <li>Provides opportunities for inquiry and research that includes active topics, formulating authentic questions, gathering information, resinterviewing, and evaluating information, analyzing and synthesize findings and conclusions.</li> <li>Requires students to use higher-level cognitive skills (analysis, synthesize for students to deepen their known strengthen problem-solving and decision-making skills.</li> <li>Provides activities and projects for students to deepen their known strengthen problem-solving and decision-making skills.</li> <li>Provides opportunities for application of learned concepts.</li> <li>Uses a variety of relevant charts, graphs, diagrams, time lines, and motivate students to engage in discussion, problem solving, and expenditions.</li> <li>Emphasizes conceptual understandings that invite students to prodevelop and extend ideas to support reasoning.</li> <li>Note: may apply to either teacher or student edition</li> </ul>	Moderate Evidence Little or No Evidence  Strong Moderate Little  Vities such as self-selecting searching resources, observing, ing data and communicating  Vinthesis, evaluation, etc.)  Viledge and cultivate and  Ind other illustrations to invite and other high-order thinking skills.  Redict, conclude, evaluate,				
<ul> <li>Promotes Inquiry, research and Application of Learning</li> <li>Provides opportunities for inquiry and research that includes active topics, formulating authentic questions, gathering information, resinterviewing, and evaluating information, analyzing and synthesize findings and conclusions.</li> <li>Requires students to use higher-level cognitive skills (analysis, syon Provides activities and projects for students to deepen their known strengthen problem-solving and decision-making skills.</li> <li>Provides opportunities for application of learned concepts.</li> <li>Uses a variety of relevant charts, graphs, diagrams, time lines, are motivate students to engage in discussion, problem solving, and expending that invite students to prodevelop and extend ideas to support reasoning.</li> </ul>	Moderate Evidence Little or No Evidence  Strong Moderate Little vities such as self-selecting searching resources, observing, ing data and communicating vinthesis, evaluation, etc.) reledge and cultivate and and other illustrations to invite and other high-order thinking skills.				

solving

• Provides opportunities to examine a range of types of evidence • Contains embedded activities (or extensions) that emphasize use of technology for problem

Note: may apply to either teacher or student edition

3) S	trengths,	Weaknesses,	Comment	s:
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3) Strengths, Weaknesses, Comments:				
While there is little use of pure raw inquiry evident, there are numerous opportunites for students to think critically and solve problems presented in the activities and text. The problems given are realistic and enhance the mastery of the concepts being covered in the course. Case studies are used to provide authentic situation for the students to work in.				
D. Supports Best Practices of Teaching and Learning	Strong Evidence  Moderate Evidence  Little or No Evidence			
1) Engages Students	Strong			
<ul> <li>Includes content geared to the needs, interests, and abilities of students</li> <li>Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.</li> <li>Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences</li> <li>Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels</li> <li>Activities are truly congruent to the concepts addressed, not merely correlated <i>Note: may apply to either teacher or student edition</i></li> </ul>				
2) Uses Assessment to Inform Instruction	☐ Strong ☑ Moderate ☐ Little			
<ul> <li>Includes multiple means of assessment as an integral part of instruction</li> <li>Provides evaluation measures in the teacher edition that supports differentiated learning activities</li> <li>Embedded assessments reflect a variety of Depth of Knowledge levels         <i>Note: may apply to either teacher or student edition</i></li> <li>Strengths, Weaknesses, Comments:         <ul> <li>Reviewers may provide page numbers to point out specific strong examples for individual</li> </ul> </li> </ul>				
evaluation standards				
The text is designed to be interesting and engaing for the students. Real life situations are used and a creative and appropriate manner which will motivate students and allow their data acquisition to be realistic and applicable. End of chapter assessment are in the student text along with critical thinking internet activities.				
E. Has an Organization/ Format that Supports Learning and Teaching    Moderate Evidence   Little or No Evidence				

1) Organizational Quality					
<ul> <li>Print and/or electronic materials present minimal barriers to learners</li> <li>Presents chapters/lessons in an organized and logical sequence</li> <li>Provides clearly stated objectives for each lesson.</li> <li>Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.</li> <li>Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components) as either student or teacher resources</li> <li>Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.</li> <li>Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively</li> <li>Uses grade-appropriate type size</li> <li>Included media are durable, easy to use and have technical merit</li> <li>Construction appears to be durable and able to withstand normal use</li> </ul>					
2) Essential Components (beyond student and teacher text)	2) Essential Components (beyond student and teacher text)   Strong Moderate Little				
<ul> <li>Items identified as essential components support the learning goals and concept coverage of the basal</li> </ul>					
<ul> <li>Strengths, Weaknesses, Comments:</li> <li>Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.</li> </ul>					
The text is designed in a very logical and organized manner starting with basic cell division and Mendelian Genetics and then progressing to application of population genetics applications. The text features used are engaging and authentic.					
F. Has available Ancillary/ Gratis Materials  Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F	Strong Evidence     Moderate Evidence     Little or No Evidence				
4) Ancillary/Cratic Materials					

#### 1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- · Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving

### 2) Strengths, Weaknesses, Comments:

• Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Ancillary/Gratis materials available for this text will enhance teacher planning and preparation and student understanding. The materials are well organized and seemed to exhibit ease of use. The materials are congruent with the objectives of the course even though many of the supplemental materials have different authors.